AUTHOR INDEX

Volumes 108, 109, 110, and 111, 1997

ABBAS, T., CHAROENSUK, J., COSTEN, P., and LOCKWOOD, F. C.

The Performance of Pulverized-Coal Flames in a Simulated Combined Cycle Unit, 111: 111

ADOMEIT, G.: see Fieweger, K.

AGARWAL, P. K.: see Hull, A. S.

AGGARWAL, S. K.: see Shu, Z.

AGLAVE, R. H.: see Kantak, M. V.

AKIHAMA, K.: see Ishiguro, T.

ALLEN, M. T., YETTER, R. A., and DRYER, F. L.

High Pressure Studies of Moist Carbon Monoxide/Nitrous Oxide Kinetics, 109: 449

ALZUETA, M. U., GLARBORG, P., and DAM-JOHANSEN, K. Low Temperature Interactions between Hydrocarbons and Nitric Oxide: An Experimental Study, 109: 25

ANDOH, E.

Effects of Pressure, Initial Temperature, and Propellant Ingredients on Flame-Spreading into a Hole, 108: 397

ARENDS, G.: see Niehörster, C.

ARISAWA, H.: see Gongwer, P. E.

ARISAWA, H., and BRILL, T. B.

Flash Pyrolysis of Polyethylene Glycol Part I: Chemometric Resolution of FTIR Spectra of the Volatile Products at 370–550°C, 109: 87

ARISAWA, H., and BRILL, T. B.

Flash Pyrolysis of Polyethylene Glycol II: Kinetics Determined by T-Jump/FTIR Spectroscopy, 109: 105

ARISAWA, H., and BRILL, T. B.

Kinetics and Mechanisms of Flash Pyrolysis of Poly(methyl methacrylate) (PMMA), 109: 415

ASATO, K., WADA, H., HIRUMA, T. and TAKEUCHI, Y.

Characteristics of Flame Propagation in a Vortex Core: Validity of a Model for Flame Propagation, 110: 418

ASTASHINSKY, V. M.: see Ivashkevich, O. A.

ATAL, A., LEVENDIS, Y. A., CARLSON, J., DUNAYEVSKIY, Y., and VOUROS, P.

On the Survivability and Pyrosynthesis of PAH During Combustion of Pulverized Coal and Tire Crumb, 110: 462 AUNG, K. T., HASSAN, M. I., and FAETH, G.M.

Flame Stretch Interactions of Laminar Premixed Hydrogen/Air Flames at Normal Temperature and Pressure, 109: 1

BABKIN, V. S.: see Korzhavin, A. A.

BABUSHOK, V., NOTO, T., BURGESS, D. R. F., HAMINS, A., and TSANG, W.

Inhibitor Influence on the Bistability of a CSTR, 108: 61

BALAKRISHNA, A.: see Ziauddin, M.

BANIN, V. E., COMMISSARIS, F. A. C. M., MOORS, J. H. J., and VEEFKIND A.

Kinetic Study of Pulverized Coal Combustion at High Pressure Using a Shock Tube, 108: 1

BARITAUD, T. A.: see Mastarakos, E.

BARONNET, F.: see Battin-LeClerc, F.

BAR-ZIV, E.: see Kantorovich, I. I.

BASSIN, X.: see Catoire, L.

BATTIN-LECLERC, F., GLAUDE, P. A., CÒME, G. M., and BARONNET, F.

Inhibiting Effects of CF₃I on the Reaction between CH₄ and O₂ in a Jet-Stirred Reactor, 109: 285

BAUM, M.: see Popp, P.

BAXTER, L. L., MITCHELL, R. E., and FLETCHER, T. H. Release of Inorganic Material During Coal Devolatilization, 108: 494

BAYLESS, D. J., SCHROEDER, A. R., PETERS, J. E., and BUCKIUS, R. O.

Effects of Surface Voids on Burning Rate Measurements of Pulverized Coal at Diffusion-Limited Conditions, 108: 187

BECHTOLD, J, K.: see Qian, J.

BECKER, C. H.: see McMillen, D. F.

BEHRENDT, F.: see Rinnemo, M.

BERTAGNOLLI, K. E.: see Hancock, R. D.

BILGER, R. W.: see O'Young, F.

BLACK, D. L.: see Dubey, R. K.

BLUMENTHAL, R.: see Fieweger, K.

BOLLIG, M.: see Müller, U. C.

BOLLIG, M.: see Seshadri, K.

BORGHI, R.: see Burlika, A. A.

BORGHI, R.: see Said, R.

BRAILOVSKY, I., and SIVASHINSKY, G. I.

On Stationary and Travelling Flame Balls, 110: 524

BRAY, K. N. C.: see Wu, A. S.

BREZINSKY, K.: see Shaddix, C. R.

BREZINSKY, K.: see Zeppieri, S.

BRILL, T. B.: see Arisawa, H.

BRILL, T. B.: see Gongwer, P. E.

BUCH, R., HAMINS, A., KONISHI, K., MATTINGLY, D., and KASHIWAGI, T.

Radiative Emission Fraction of Pool Fires Burning Silicone Fluids, 108: 118

BUCKIUS, R. O.: see Bayless, D. J.

BUNEV, V. A.: see Korzhavin, A. A.

BURGESS, D. R. F.: see Babushok, V.

BURLUKA, A. A., GOROKHOVSKI, M. A., and BORGHI, R. Statistical Model of Turbulent Premixed Combustion with Interacting Flamelets, 109: 173

CAIN, T. M.

Autoignition of Hydrogen at High Pressure, 111: 124

CARLSON, J.: see Atal, A.

CARVALHO, J. A., JR., MCQUAY, M. Q., and GOTAÇ, P. R. The Interaction of Liquid Reacting Droplets with The Pulsating Flow in a Rijke-Tube Container, 108: 87

CARVALHO, J. A., JR.: see Dubey, R. K.

CATHONNET, M.: see Dagaut, P.

CATOIRE, L., BASSIN, X., INGIGNOLI, W., DUPRE, G., and PAILLARD, C.

Shock Tube Study of the Effect of Nitrogen or Hydrogen on Ignition Delays in Mixtures of Monomethylhydrazine + Oxygen + Argon, 109: 37

CESSOU, A.: see Haudiquert, M.

CHANG, Y. R.: see Chen, K. S.

CHANG, Y. S.: see Lou, J. C.

CHAO, B. H., EGOLFOPOULOS, F. N., and LAW, C. K.

Structure and Propagation of Premixed Flame in Nozzle-Generated Counterflow, 109: 620

CHAROENSUK, J.: see Abbas, T.

CHEN, C.-H.: see Huang, L.-W.

CHEN, G., and GOMEZ, A.

Dilute Laminar Spray Diffusion Flames near the Transition from Group Combustion to Individual Droplet Burning, 110: 392

CHEN, J.-Y.: see Sanders, J. P. H.

CHEN, K. S., YEH, R. Z., and CHANG, Y. R.

Kinetics of Thermal Decomposition of Styrene-Butadiene Rubber at Low Heating Rates in Nitrogen and Oxygen, 108: 408 CHEN, X. D.

Oxidation Rates of Coals as Measured from One-Dimensional Spontaneous Heating, 109: 578

CHEN, z.: see Hull, A. S.

CHIDESTER, S. K., TARVER, C. M., GREEN, L. G., and URTIEW, P. A.

On the Violence of Thermal Explosion in Solid Explosives, 110: 264

CHOI, M. Y.: see Vander Wal, R. L.

CHUNG, S. H.: see Kang, K. T.

CHUNG, S. H.: see Lee, B. J.

CHURCHILL, s. w.: see Kansuntisumonkol, R.

CHYANG, C. S.: see Lin, C. H.

CIAJOLO, A.: see Ranzi, E.

CLAUSING, E. M., SENSER, D. W., and LAURENDEAU, N. M.

Peclet Correlation for Stability of Inverse Diffusion Flames in Methane-Air Cross Flows, 110: 405

COLLINS, L. R.: see Ulitsky, M.

COME, G.: see Battin-LeClerc, F.

COMMISSARIS, F. A. C. M.: see Banin, V. E.

COOK, A. W., RILEY, J. J., and KOSÁLY, G.

A Laminar Flamelet Approach to Subgrid-Scale Chemistry in Turbulent Flows, 109: 332

COPPALLE, A.: see HAUDIQUERT, M.

COSTEN, P.: see Abbas, T.

DAGAUT, P., CATHONNET, M., MCGUINNESS, M., and SIMMIE, J. M.

The Ignition of Oxetane in Shock Waves and Oxidation in a Jet-Stirred Reactor: An Experimental and Modeling Study, 110: 409

DAM-JOHANSEN, K.: see ALZUETA, M. U.

D'ANNA, A.: see Ranzi, E.

DEC, J. E.: see Espey, C.

DE GOEY, L. P. H., MALLENS, R. M. M., and TEN THIJE BOONKKAMP, J. H. M.

An Evaluation of Different Contributions to Flame Stretch for Stationary Premixed Flames, 110: 54

DE MANRIQUE, K. S.: see Kantak, M. V.

DESHAIES, B.: see Zitoun, R.

DESJARDIN, P. E., and FRANKEL, S. H.

Linear-Eddy Modeling of Nonequilibrium Turbulent Reacting Flows with Nonpremixed Reactants, 109: 471

DEUTSCHMANN, O.: see Rinnemo, M.

DIMITRIENKO, Y. I.

Modeling of Erosion Combustion of Energetic Materials in High-Enthalpy Flows, 111: 161 DRYER, F. L.: see Allen, M. T. DUBEY, R. K., BLACK, D. L., MCQUAY, M. Q., and CARVALHO, J. A., JR.

The Effects of Acoustics on an Ethanol Spray Flame in A Propane-Fired Pulse Combustor, 110: 25

DUNAYEVSKIY, Y.: see Atal, A. DUPRE, G.: see Catoire, L.

ECHEKKI, T.

A Quasi-One-Dimensional Premixed Flame Model with Cross-Stream Diffusion, 110: 335

ECHIGO, R.: see Hoffmann, J. G.

EGOLFOPOULOS, F. N.: see Chao, B. H.

EGOLFOPOULOS, F. N., ZHANG, H., and ZHANG, Z.

Wall Effects on the Propagation and Extinction of Steady, Strained, Laminar Premixed Flames, 109: 237

ELAMRAOUI, R.: see Fallot, L.

EL-SAYED, SAAD A.: see Shouman, A. R.

ERLICH, D. C.: see McMillen, D. F.

ESCUDIÉ, D.: see François, I.

ESPEY, C., DEC, J. E., LITZINGER, T. A., and SANTAVICCA, D. A.

Planar Laser Rayleigh Scattering for Quantitative Vapor-Fueling in a Diesel Jet, 109: 65

ESSENHIGH, R. H., and MESCHER, A. M.

Mechanism of Carbon Combustion: Relative Influence of Adsorption, Desorption, and Boundary Layer Diffusion as a Function of Pressure 111: 350

EVEREST, D. A.: see Smyth, K. C.

EZEKOYE, O. A., and ZHANG, Z.

Soot Oxidation and Agglomeration Modeling in a Microgravity Diffusion Flame, 110: 127

FACHINI, F. F., and LIÑÁN, A. M.

Transient Effects in Droplet Ignition Phenomenon, 109: 303

FAETH, G. M.: see Aung, K. T.

FAETH, G. M.: see Xu, F.

FALLOT, L., GONZALEZ, M., ELAMRAOUI, R., and OBOUNOU, M.

Modelling Finite-Rate Chemistry Effects on Nonpremixed Turbulent Combustion: Test on the Bluff-Body Stabilized Flame, 110: 298

FARAVELLI, T.: see Ranzi, E.

FENTON, M.: see Lee, T.-W.

FIEWEGER, K., BLUMENTHAL, R., and ADOMEIT, G.

Self-Ignition of S.I. Engine Model Fuels: A Shock Tube Investigation at High Pressure, 109: 599 FISHER, E. M.

Calculations of the Effect of Nitrogen Vibrational Kinetics on Laminar Flame Temperature Profiles, 108: 127

FLEMING, J. W.: see Williams, B. A.

FLETCHER, T. H.: see Baxter, L. L.

FOTACHE, C. G., KREUTZ, T. G. and LAW, C. K.

Ignition of Counterflowing Methane versus Heated Air under Reduced and Elevated Pressures, 108: 442

FOTACHE, C. G., KREUTZ, T. G. and LAW, C. K.

Ignition of Hydrogen-Enriched Methane by Heated Air, 110: 429

FRANCOIS, I., LARRAURI, I., and ESCUDIÉ, D.

Interaction Between Two Premixed Laminar V-Shaped Flame Fronts at Low Lewis Number, 110: 14

FRANKEL, S. H.: see Desjardin, P. E.

FRENKLACH, M.: see Wang, H.

FREYMAN, T. M.: see Lu, Y.-C.

FU, W. B., ZHANG, B. L., and ZHENG, S. M.

A Relationship between the Kinetic Parameters of Char Combustion and the Coal's Properties, 109: 587

GAFFURI, P.: see RANZI, E.

GAMEZO, V. N., and ORAN, E. S.

Reaction-Zone Structure of a Steady-State Detonation Wave in a Cylindrical Charge, 109: 253

GARO, A.: see Said, R.

GHONIEM, A.: see Petrov, C.

GIVI, P.: see Jaberi, F. A.

GLARBORG, P.: see Alzueta, M. U.

GLASSMAN, I.: see Shaddix, C. R.

GLASSMAN, I.: see Zeppieri, S.

GLAUDE, P. A.: see Battin-LeClerc, F.

GÖKALP, I.: see Sanders, J. P. H.

GOMEZ, A.: see Chen, G.

GONGWER, P. E., ARISAWA, H., and BRILL, T. B.

Kinetics and Products from Flash Pyrolysis of Cellulose Acetate Butyrate (CAB) at 460– 600°C, 109: 370

GONZALEZ, M.: see Fallot, L.

GORE, J. P.: see Mital, R.

GORE, J. P.: see Sivanathu, Y. R.

GOROKHOVSKI, M. A.: see Burlika, A. A.

GOTAÇ, P. R.: see Carvalho, J. A., Jr.

GREEN, L. G.: see Chidester, S. K.

GREENBERG, P. S., and KU, J. C.

Soot Volume Fraction Maps for Normal and Reduced Gravity Laminar Acetylene Jet Diffusion Flames, 108: 227 GRIFFITHS, J. F., HALFORD-MAW, P. A., and MOHAMED, C.

Spontaneous Ignition Delays as a Diagnostic of the Propensity of Alkanes to Cause Engine Knock, 111: 327

GUO, H., JU, Y., MARUTA, K., NIIOKA, T., and LIU, F.
Radiation Extinction Limit of Counterflow
Premixed Lean Methane-Air Flames,
109: 639

HALFORD-MAW, P. A.: see Griffiths, J. F.

HAMINS, A.: see Buch, R.

HAMINS, A.: see Babushok, V.

HANCOCK, R. D., BERTAGNOLLI, K. E., and LUCHT, R. P.

Nitrogen and Hydrogen CARS Temperature Measurements in a Hydrogen/Air Flame Using a Near-Adiabatic Flat-Flame Burner, 109: 323

HASSAN, M. I.: see Aung, K. T.

HAUDIQUERT, M., CESSOU, A., STEPOWSKI, D., and COPPALLE, A.

OH and Soot Concentration Measurements in a High-Temperature Laminar Diffusion Flame, 111: 338

HAYHURST, A. N., and LAWRENCE, A. D.

The Reduction of the Nitrogen Oxides NO and N₂O to Molecular Nitrogen in the Presence of Iron, Its Oxides, and Carbon Monoxide in a Hot Fluidized Bed, 110: 351

HE, C.: see McMillen, D. F.

HEINO, P., HERNBERG, R., and STENBERG, J.

Statistical Pyrometric Sizing of Particles in Fluidised Bed Combustion, 108: 315

HERNBERG, R.: see Heino, P.

HERTZBERG, J. R.

Conditions for a Split Diffusion Flame, 109: 314

HESKETH, R. P.: see Kantak, M. V.

HIRUMA, T.: see Asato, K.

но, J.-т.: see Whang, J.-J.

HOFBAUER, H.: see Winter, F.

HOFFMANN, J. G., ECHIGO, R., YOSHIDA, H., and TADA, S. Experimental Study on Combustion in Porous Media with a Reciprocating Flow System, 111: 32

HOUSTON MILLER, J.: see Marro, M. A. T.

HUANG, L.-W., and CHEN, C.-H.

Droplet Ignition in a High-Temperature Convective Environment, 109: 145

HUANG, R. F, YANG, J.-T., and LEE, P.-C.

Flame and Flow Characteristics of Double Concentric Jets, 108: 9 HULL, A. S., LANTHIER, J. L., CHEN, Z., and AGARWAL, P. K.

The Role of the Diffusion of Oxygen and Radiation on the Spontaneous Combustibility of a Coal Pile in Confined Storage, 110: 479

HWANG, J. Y.: see Kang, K. T.

IGARASHI, T.: see Yoshida, A.

INGIGNOLI, w.: see Catoire, L.

ISHIGURO, T., YAKATORI, Y., and AKIHAMA, K.

Microstructure of Diesel Soot Particles Probed by Electron Microscopy: First Observation of Inner Core and Outer Shell, 108: 231

IVASHKEVICH, O. A., KRASITSKY, V. A., LESNIKOVICH, A. I., ASTASHINSKY, V. M., KOSTYUKEV, E. A., KHUSID, B. M., and MANSUROV, V. A.

Liquid-Flame Combustion II: Some Physical and Chemical Characteristics of the Burning Process, 110: 113

JABERI, F. A., MILLER, R. S., MASHAYEK, F., and GIVI, P. Differential Diffusion in Binary Scalar and Mixing Reaction, 109: 561

JENSEN, K. A.: see Vander Wal, R. L. JU, Y.: see Guo, H.

KAGAN, L., and SIVASHINSKY, G.

Self-Fragmentation of Nonadiabatic Cellular Flames, 108: 220

KAILASANATH, K.: see Li, C.

KANG, K. T., HWANG, J. Y., CHUNG, S. H., and LEE, W. Soot Zone Structure and Sooting Limit in Diffusion Flames: Comparison of Counterflow and Co-Flow Flames, 109: 266

KANSUNTISUMONKOL, R., MIYACHI, H., OZOE, H., and CHURCHILL, S. W.

Development of a Computational Scheme for Transient Combustion inside a Refractory Tube, 108: 158

KANTAK, M. V., DE MANRIQUE, K. S., AGLAVE, R. H., and HESKETH, R. P.

Methylamine Oxidation in a Flow Reactor: Mechanism and Modeling, 108: 235

KANTOROVICH, I. I., and BAR-ZIV, E.

The Effect of Microstructural Transformation on the Evolution of Thermal Conductivity of Highly Porous Chars During Oxidation, 109: 521

KARPOV, V. P., LIPATNIKOV, A. N., and WOLANSKI, P. Finding the Markstein Number Using the Measurements of Expanding Spherical Laminar Flames, 109: 436

KASEMO, B.: see Rinnemo, M.

KATTA, V. R.: see Shu, Z.

KEBABIAN, P. L.: see Wormhoudt, J.

KHOKHLOV, A. M., ORAN, E. S., and WHEELER, J. C.

A Theory of Deflagration-to-Detonation Transition in Unconfined Flames, 108: 503

кноменко, і. о.: see Mukasyan, А. S.

KHUSID, B. M.: see Ivashkevich, O. A.

KIM, E. S., LEE, H. S., MALLERY, C. F., and THYNELL, S. T.

Thermal Decomposition Studies of Energetic Studies Using Confined Rapid Thermolysis/ FTIR Spectroscopy, 110: 239

KOBAYASHI, H., NAKASHIMA, T., TAMURA, T., MARUTA, K., and NIIOKA, T.

Turbulence Measurements and Observations of Turbulent Premixed Flames at Elevated Pressures up to 3.0 MPa, 108: 104

KOLB, C. E.: see Wormhoudt, J.

KONISHI, K.: see Buch, R.

KORZHAVIN, A. A., BUNEV, V. A., and BABKIN, V. S.

Dynamics of Gaseous Combustion in Closed Systems with an Inert Porous Medium, 109: 507

KOSÁLY, G.: see Cook, A. W.

KOSÁLY, G.: see Montgomery, C. J.

KOSTYUKEV, E. A.: see Ivashkevich, O. A.

KOTANI, Y .: see Yoshida, A.

KÖYLÜ, Ü. Ö.: see McEnally, C.

KÖYLÜ, Ü. Ö.

Quantitative Analysis of In Situ Optical
Diagnostics for Inferring Particle/Aggregate
Parameters in Flames: Implications for Soot
Surface Growth and Total Emissivity,
109: 488

KÖYLÜ, Ü. Ö., MCENALLY, C. S., ROSNER, D. E., and PFEFFERLE, L. D.

Simultaneous Measurements of Soot Volume Fraction and Particle Size/Microstructure in Flames Using a Thermophoretic Sampling Technique, 110: 494

KRASITSKY, V. A.: see Ivashkevich, O. A.

KREUTZ, T. G.: see Fotache, C. G.

KU, J. C.: see Greenberg, P. S.

кио, к. к.: see Lu, Y.-С.

LANTHIER, J. L.: see Hull, A. S.

LARRAURI, I.: see François, I.

LAURENDEAU, N. M.: see Clausing, E. M.

LAW, C. K.: see Chao, B. H.

LAW, C. K.: see Fotache, C. G.

LAW, C. K.: see Nishioka, M.

LAW, C. K.: see Qian, J.

LAW, C. K.: see Wang, H.

LAWRENCE, A. D.: see Hayhurst, A. N.

LEE, B. J., and CHUNG, S. H.

Stabilization of Lifted Tribrachial Flames in a Laminar Nonpremixed Jet, 109: 163

LEE, H. S.: see Kim, E. S.

LEE, P.-C.: see Huang, R. F.

LEE, T.-W., FENTON, M., and SHANKLAND, R.

Effects of Variable Partial Premixing on Turbulent Jet Flame Structure, 109: 536

LEE, w.: see Kang, K. T.

LEIROZ, A. J. K., and RANGEL, R. H.

Flame and Droplet Interaction Effects During Droplet-Stream Combustion at Zero Reynolds Number, 108: 287

LESNIKOVICH, A. I.: see Ivashkevich, O. A.

LEVENDIS, Y. A.: see Atal, A.

LI, C., KAILASANATH, K., and ORAN, E. S.

Detonation Structures Generated by Multiple Shocks on Ram-Accelerator Projectiles, 108: 173

LIAO, X.-X.: see Wong, S.-C.

LIN, C. H., TENC, J. T., and CHYANG, C. S.

Evaluation of the Combustion Efficiency and Emission of Pollutants by Coal Particles in a Vortexing Fluidized Bed, 110: 163

LIÑÁN, A. M.: see Fachini, F. F.

LIPATNIKOV, A. N.: see Karpov, V. P.

LITZINGER, T. A.: see Espey, C.

LIU, F.: see Guo, H.

LOCKWOOD, F. C.: see Abbas, T.

LOU, J. C., and CHANG, Y. S.

Thermal Oxidation of Chloroform, 109: 188

LU, Y.-C., FREYMAN, T. M., and KUO, K. K.

UV/Visible Absorption Spectroscopy of Dark Zones in Solid-Propellant Flames, 109: 342 LUCHT, R. P.: see Hancock, R. D.

MALLENS, R. M. M.: see De Goey, L. P. H.

MALLERY, C. F.: see Kim, E. S.

MANSUROV, v. A.: see Ivashkevich, O. A.

MANTZARAS, J., and VAN DER MEER, T. H.

Coherent Anti-Stokes Raman Spectroscopy Measurements of Temperature Fluctuations in Turbulent Natural Gas-Fueled Piloted Jet Diffusion Flames, 110: 39

MARRO, M. A. T., PIVOVAROV, M. A., and HOUSTON MILLER, J.

Strategy for the Simplification of Nitric Oxide Chemistry in a Laminar Methane/Air Diffusion Flamelet, 111: 208

MARUTA, K.: see Guo, H.

MARUTA, K.: see Kobayashi, H.

MASHAYEK, F.: see Jaberi, F. A.

MASTARAKOS, E., BARITAUD, T. A., and POINSOT, T. J.

Numerical Simulations of Autoignition in Turbulent Mixing Flows, 109: 198

MATKOWSKY, B. J.: see Shkadinsky, K. G.

MATTINGLY, D.: see Buch, R.

MCENALLY, C., KÖYLÜ, Ü. Ö., PFEFFERLE, L. D., and ROSNER, D. E.

Soot Volume Fraction and Temperature Measurement in Laminar Nonpremixed Flame Using Thermocouple, 109: 701

MCENALLY, C. s.: see Köylü

MCGUINNESS, M.: see Dagaut, P.

MCMILLEN, D. F., ERLICH, D. C., HE, C., BECKER, C. H., and SHOCKEY, D. A.

Fracture-Induced and Thermal Decomposition of NTO Using Laser Ionization Mass Spectrometry, 111: 133

MCQUAY, M. Q.: see Carvalho, J. A., Jr.

MCQUAY, M. Q.: see Dubey, R. K.

MESCHER, A. M.: see Essenhigh, R. H.

MILLER, R. S.: see Jaberi, F. A.

MITAL, R., GORE, J. P., and VISKANTA, R.

A Study of the Structure of Submerged Reaction Zone in Porous Ceramic Radiant Burners, 111: 175

MITCHELL, R. E.: see Baxter, L. L.

міуасні, н.: see Kansuntisumonkol, R.

MOHAMED, C.: see Griffiths, J. F.

MONTGOMERY, C. J., KOSÁLY, G., and RILEY, J. J.

Direct Numerical Simulation of Turbulent Nonpremixed Combustion with Multistep Hydrogen-Oxygen Kinetics, 109: 113

MOORS, J. H. J.: see Banin, V. E

MUKASYAN, A. S., VADCHENKO, S. G., and KHOMENKO, I. O.

Combustion Modes in the Titanium-Nitrogen System at Low Nitrogen Pressures, 111: 65 MUKUNDA, H. S., and PAUL, P. J.

Universal Behaviour in Erosive Burning of Solid Propellants, 109: 224

MÜLLER, U. C., BOLLIG, M. and PETERS, N.

Approximations for Burning Velocities and Markstein Numbers for Lean Hydrocarbon and Methanol Flames, 108: 349

MUNGAL, M. G.: see Muñiz, M. G.

MUÑIZ, M. G., and MUNGAL, M. G.

Instantaneous Flame-Stabilization Velocities in Lifted-Jet Diffusion Flames, 111: 16

NAJM, H. N., and WYCKOFF, P. S.

Premixed Flame Response to Unsteady Strain Rate and Curvature, 110: 92 NAKAKUKI, A.

Heat Transfer in Hot-Zone-Forming Pool Fires, 109: 353

NAKASHIMA, T.: see Kobayashi, H.

NIEHÖRSTER, C., ARENDS, G. and SCHREIBER, M.

Catalytically Supported Combustion on a Surface Burner: Modelling and NO_x Formation Analysis, 110: 140

NIIOKA, T.: see Guo, H.

NIIOKA, T.: see Kobayashi, H.

NIKIFORAKIS, N.: see Vassilicos, J. C.

NIKITIN, V. F.: see Smirnov, N. N.

NISHIOKA, M., and LAW, C. K.

A Numerical Study of Ignition in the Supersonic Hydrogen/Air Laminar Mixing Layer, 108: 199

Nото, т.: see Babushok, V.

овоинои, м.: see Fallot, L.

онта, у.: see Tagawa, М.

ORAN, E. S.: see Li, C.

ORAN, E. S.: see Gamezo, V. N.

ORAN, E. S.: see Khokhlov, A. M.

O'YOUNG, F., and BILGER, R. W.

Scalar Gradient and Related Quantities in Turbulent Premixed Flames, 109: 682

OZOE, H.: see Kansuntisumonkol, R.

PAILLARD, C.: see Catoire, L.

PARK, J., and SHIN, H. D.

Experimental Investigation of the Developing Process of an Unsteady Diffusion Flame, 110: 67

PASTERNACK, L.: see Williams, B. A.

PAUL, P. J.: see Mukunda, H. S.

PAUWELS, J.-F.: see VanDooren, J.

PEARLMAN, H.

Excitability in High-Lewis Number Premixed Gas Combustion, 109: 382

PEARLMAN, H. G., and SOHRAB, S. H.

Diffusion Flame Extinction and Viscous Hydrodynamics Around Rotating Porous Spheres with Surface Blowing, 108: 419

PETERS, J. E.: see Bayless, D. J.

PETERS, N.: see Müller, U. C.

PETERS, N.: see Seshadri, K.

PETROV, C., and GHONIEM, A.

A Uniform Strain Model of Elemental Flames in Turbulent Combustion Simulations, 111: 47

PFEFFERLE, L. D.: see Köylü

PFEFFERLE, L. D.: see McEnally, C.

PIVOVAROV, M. A.: see Marro, M. A. T.

POINSOT, T. J.: see Mastarakos, E.

POPP, P., and BAUM, M.

Analysis of Wall Heat Fluxes, Reaction Mechanisms, and Unburnt Hydrocarbons during the Head-on Quenching of a Laminar Methane Flame, 108: 327

PRAH, M. E.: see Winter, F.

PURI, I. K.: see Shu, Z.

QIAN, J., BECHTOLD, J, K., and LAW, C. K.

On the Response of Spherical Premixed Flames Under Rotation, 110: 78

QIAN, J., and LAW, C. K.

On the Spreading of Unsteady Cylindrical Diffusion

Flames, 110: 152

RANGEL, R. H.: see Leiroz, A. J. K.

RANZI, E., FARAVELLI, T., GAFFURI, P., SOGARO, A., D'ANNA, A., and CIAJOLO, A.

A Wide-Ranging Modeling Study of Iso-Octane Oxidation, 108: 24

RIGHTLEY, M. L., and WILLIAMS, S. A.

Burning Velocities of CO Flames, 110: 285

RILEY, J. J.: see Cook, A. W.

RILEY, J. J.: see Montgomery, C. J.

RINNEMO, M., DEUTSCHMANN, O., BEHRENDT, F. and KASEMO, B.

Experimental and Numerical Investigation of the Catalytic Ignition of Mixtures of Hydrogen and Oxygen on Platinum, 111: 312

ROSNER, D. E.: see Köylü

ROSNER, D. E.: see McEnally, C.

SAID, R., GARO, A., and BORGHI, R.

Soot Formation Modeling for Turbulent Flames, 108: 71

SANDERS, J. P. H., CHEN, J.-Y., and GÖKALP, I.

Flamelet-Based Modeling of NO Formation in Turbulent Hydrogen Jet Diffusion Flames, 111: 1

SANTAVICCA, D. A.: see Espey, C.

SCHMIDT, L. D.: see Ziauddin, M.

SCHREIBER, M.: see Niehörster, C.

SCHROEDER, A. R.: see Bayless, D. J.

SENSER, D. W.: see Clausing, E. M.

SESHADRI, K., BOLLIG, M., and PETERS, N.

Numerical and Asymptotic Studies of the Structure of Stoichiometric and Lean Premixed Heptane Flames, 108: 518

SHADDIX, C. R.: see Smyth, K. C.

SHADDIX, C. R., BREZINSKY, K., and GLASSMAN, I.

Analysis of Fuel Decay Routes in the High-Temperature Oxidation of 1-Methylnaphthalene, 108: 139

SHANKLAND, R.: see Lee, T.-W.

SHIN, H. D.: see Park, J.

SHKADINSKAYA, G. v.: see Shkadinsky, K. G.

SHKADINSKY, K. G., SHKADINSKAYA, G. V., and MATKOWSKY, B. J.

Filtration Combustion in Moving Media: One and Two Reaction Zone Structures, 110: 441

SHOCKEY, D. A.: see McMillen, D. F.

SHOUMAN, A. R., and EL-SAYED, S. A.

Accounting for Reactant Consumption in the Thermal Explosion Problem Part II, 108: 361

SHU, Z., AGGARWAL, S. K., KATTA, V. R., and PURI, I. K. Flame-Vortex Dynamics in an Inverse Partially Premixed Combustor: the Froude Number Results, 111: 276

SHU, Z., AGGARWAL, S. K., KATTA, V. R., and PURI, I. K. A Numerical Investigation of the Flame Structure of an Unsteady Inverse Partially Premixed Flame, 111: 296

SIMMIE, J. M.: see Dagaut, P.

SIVASHINSKY, G. I.: see Brailovsky, I.

SIVASHINSKY, G. I.: see Kagan, L.

SIVATHANU, Y. R., and GORE, J. P.

Effects of Gas-Band Radiation on Soot Kinetics in Laminar Methane/Air Diffusion Flames, 110: 256

SMIRNOV, N. N., and NIKITIN, V. F.

Unsteady-State Turbulent Diffusive Combustion in Confined Volumes, 111: 221

SMYTH, K. C., SHADDIX, C. R., and EVEREST, D. A.

Aspects of Soot Dynamics as Revealed by Measurements of Broadband Fluorescence and Flame Luminosity in Flickering Diffusion Bands, 111: 185

SOGARO, A.: see Ranzi, E.

sogo, s.: see Yuasa, S.

SOHRAB, S. H.: see Pearlman, H. G.

STENBERG, J.: see Heino, P.

STEPOWSKI, D.: see Haudiquert, M.

SUNDERLAND, P. B.: see Xu, F.

SUNG, C. J.: see Wang, H.

TADA, S.: see Hoffmann, J. G.

TAGAWA, M., and OHTA, Y.

Two-Thermocouple Probe for Fluctuating Temperature Measurement in Combustion—Rational Estimation of Mean and Fluctuating Time Constants, 109: 549

TAKEUCHI, Y .: see Asato, K.

TAMURA, T.: see Kobayashi, H.

TARVER, C. M.: see Chidester, S. K.

TENG, J. T.: see Lin, C. H.

TEN THIJE BOONKKAMP, J. H. M.: see De Goey, L. P. H.

THYNELL, S. T.: see Kim, E. S.

TSANG, w.: see Babushok, V.

ULITSKY, M., and COLLINS, L. R.

Relative Importance of Coherent Structures vs Background Turbulence in the Propagation of a Premixed Flame, 111: 257

URTIEW, P. A.: see Chidester, S. K.

VADCHENKO, s. G.: see Mukasyan, A. S.

VANCE, R.: see Wichman, I. S.

VAN DER MEER, T. H.: see Mantzaras, J.

VANDER WAL, R. L.

Investigation of Soot Precursor Carbonization using Laser-Induced Fluorescence and Laser-Induced Incandescence, 110: 281

VANDER WAL, R. L., JENSEN, K. A., and CHOI, M. Y.

Simultaneous Laser-Induced Emission of Soot and Polycyclic Aromatic Hydrocarbons Within a Gas-Jet Diffusion Flame, 109: 399

VANDOOREN, J., VAN TIGGELEN, P. J., and PAUWELS, J.-F.

Experimental and Modeling Studies of a Rich H₂/CO/N₂O/Ar Flame, 109: 647

VAN TIGGELEN, P. J.: see VanDooren, J.

VASSILICOS, J. C., and NIKIFORAKIS, N.

Flamelet-Vortex Interaction and The Gibson Scale, 109: 293

VEEFKIND, A.: see Banin, V. E

VISKANTA, R.: see Mital, R.

VLACHOS, D. G.: see Ziauddin, M.

VOUROS, P.: see Atal, A.

WADA, H.: see Asato, K.

WANG, H., and FRENKLACH, M.

A Detailed Modeling Study of Aromatics Formation in Laminar Premixed Acetylene and Ethylene Flames, 110: 173

WANG, H., SUNG, C. J., and LAW, C. K.

On Mild and Vigorous Oxidation of Mixtures of Chlorinated Hydrocarbons in Droplet Burning, 110: 222

WHANG, J.-J., YUKAO, C.-Y., HO, J.-T., and WONG, S.-C.

Experimental Study of the Ignition of Single Droplets under Forced Convection, 110: 366

WHEELER, J. C.: see Khokhlov, A. M.

WICHMAN, I. S., and VANCE, R.

A Study of One-Dimensional Laminar Premixed Flame Annihilation, 110: 508

WILLIAMS, B. A., and FLEMING, J. W.

Radical Species Profiles in Low-Pressure Methane Flames Containing Fuel Nitrogen Compounds, 110: 1

WILLIAMS, B. A., and PASTERNACK, L.

The Effect of Nitric Oxide on Premixed Flames of CH₄, C₂H₆, C₂H₄, and C₂H₂ 110: 87

WILLIAMS, S. A.: see Rightley, M. L.

WINTER, F., PRAH, M. E., and HOFBAUER, H.

Temperatures in a Fuel Particle Burning in a Fluidized Bed: The Effect of Drying, Devolatilization, and Char Combustion, 108: 302

WOLANSKI, P.: see Karpov, V. P.

WONG, S.-C., LIAO, X.-X., and YANG, J.-R.

A Simplified Theory of the Ignition of Single Droplets under Forced Convection, 110: 319

wong, s.-c.: see Whang, J.-J.

WORMHOUDT, J., KEBABIAN, P. L., and KOLB, C. E.

Embedded Infrared Fiber Optic Absorption Studies of Nitramine Propellant Strand Burning, 111: 73

Infrared Fiber-Optic Diagnostic Observations of Solid Propellant Combustion, 108: 43

WU, A. S., and BRAY, K. N. C.

A Coherent Flame Model of Premixed Turbulent Combustion in a Counterflow Geometry, 109: 43

WYCKOFF, P. S.: see Najm, H. N.

XU, F., SUNDERLAND, P. B., and FAETH, G. M.
Soot Formation in Laminar Premixed Ethylene/
Air Flames at Atmospheric Pressure,
108: 471

YAKATORI, Y.: see Ishiguro, T.

YANG, J.-R.: see Wong, S.-C.

YANG, J.-T.: see Huang, R. F.

YEH, R. Z.: see Chen, K. S.

YETTER, R. A.: see Allen, M. T.

YOSHIDA, A., IGARASHI, T., and KOTANI, Y.

Extinction of Turbulent Diffusion Flames by Kolmogorov Microscale Turbulence, 109: 669

YOSHIDA, H.: see Hoffmann, J. G.

YUASA, S., ZHU, Y., and SOGO, S.

Ignition and Combustion of Aluminum in Oxygen/Nitrogen Mixture Streams, 108: 387 YUKAO, C.-Y.: see Whang, J.-J.

ZAMASHCHIKOV, V. V.

Experimental Investigation of Gas Combustion Regimes in Narrow Tubes, 108: 357

ZEPPIERI, S., BREZINSKY, K., and GLASSMAN, I.

Pyrolysis Studies of Methylcyclohexane and Oxidation Studies of Methylcyclohexane and Methylcyclohexane/Toluene Blends, 108: 266

ZHANG, B. L.: see Fu, W. B.

ZHANG, H.: see Egolfopoulos, F. N.

ZHANG, Z.: see Egolfopoulos, F. N.

ZHANG, Z.: see Ezekoye, O. A.

ZHENG, S. M.: see Fu, W. B.

ZHU, Y.: see Yuasa, S.

ZIAUDDIN, M., BALAKRISHNA, A., VLACHOS, D. G., and SCHMIDT, L. D.

Ignition of Methane Flames in Oxygen Near Inert Surfaces: Effects of Composition, Pressure, Preheat, and Residence Time, 110: 377

ZITOUN, R., and DESHAIES, B.

Burning Velocities of Rich H₂-O₂ Flames under Cryogenic Conditions, 109: 427

SUBJECT INDEX

Volumes 108, 109, 110, and 111, 1997

1. ASYMPTOTIC ANALYSES

Approximations for Burning Velocities and Markstein Numbers for Lean Hydrocarbon and Methanol Flames, 108: 349

Burning Velocities of CO Flames, 110: 285 Filtration Combustion in Moving Media: One and Two Reaction Zone Structures, 110: 441

Finding the Markstein Number Using the Measurements of Expanding Spherical Laminar Flames, 109: 436

Flamelet-Vortex Interaction and The Gibson Scale, 109: 293

On the Response of Spherical Premixed Flames Under Rotation, 110: 78

On the Spreading of Unsteady Cylindrical Diffusion Flames, 110: 152

2. COMBUSTION IN PRACTICAL SYSTEMS

Catalytically Supported Combustion on a Surface Burner: Modelling and NO_x Formation Analysis, 110: 140

The Effects of Acoustics on an Ethanol Spray Flame in A Propane-Fired Pulse Combustor, 110: 25

Effects of Surface Voids on Burning Rate Measurements of Pulverized Coal at Diffusion-Limited Conditions, 108: 187

Evaluation of the Combustion Efficiency and Emission of Pollutants by Coal Particles in a Vortexing Fluidized Bed, 110: 163

Experimental Investigation of Gas Combustion Regimes in Narrow Tubes, 108: 357

Experimental Study on Combustion in Porous Media with a Reciprocating Flow System, 111: 32

Microstructure of Diesel Soot Particles Probed by Electron Microscopy: First Observation of Inner Core and Outer Shell, 108: 231

Oxidation Rates of Coals as Measured from One-Dimensional Spontaneous Heating, 109: 578

The Performance of Pulverized-Coal Flames in a Simulated Combined Cycle Unit, 111: 111

Planar Laser Rayleigh Scattering for Quantitative Vapor-Fueling in a Diesel Jet, 109: 65 Spontaneous Ignition Delays as a Diagnostic of the Propensity of Alkanes to Cause Engine Knock, 111: 327

Statistical Pyrometric Sizing of Particles in Fluidised Bed Combustion, 108: 315

Temperatures in a Fuel Particle Burning in a Fluidized Bed: The Effect of Drying, Devolatilization, and Char Combustion, 108: 302

3. COMBUSTION STABILITY/INSTABILITY

Mechanism of Carbon Combustion: Relative Influence of Adsorption, Desorption, and Boundary Layer Diffusion as a Function of Pressure, 111: 350

On Stationary and Travelling Flame Balls, 110: 524

4. COMBUSTION SYSTEMS: ANALYTIC AND NUMERICAL DESCRIPTIONS

Accounting for Reactant Consumption in the Thermal Explosion Problem Part II, 108: 361

Burning Velocities of CO Flames, 110: 285

A Coherent Flame Model of Premixed Turbulent Combustion in a Counterflow Geometry, 109: 43

A Detailed Modeling Study of Aromatics Formation in Laminar Premixed Acetylene and Ethylene Flames, 110: 173

Detonation Structures Generated by Multiple Shocks on Ram-Accelerator Projectiles, 108: 173

Development of a Computational Scheme for Transient Combustion inside a Refractory Tube, 108: 158

Diffusion Flame Extinction and Viscous Hydrodynamics Around Rotating Porous Spheres with Surface Blowing, 108: 419

Direct Numerical Simulation of Turbulent Nonpremixed Combustion with Multistep Hydrogen-Oxygen Kinetics, 109: 113

The Effect of Nitric Oxide on Premixed Flames of CH₄, C₂H₆, C₂H₄, and C₂H₂ 110: 87

Filtration Combustion in Moving Media: One and Two Reaction Zone Structures, 110: 441

- Flame and Droplet Interaction Effects During Droplet-Stream Combustion at Zero Reynolds Number, 108: 287
- Flame Stretch Interactions of Laminar Premixed Hydrogen/Air Flames at Normal Temperature and Pressure, 109: 1
- Flame-Vortex Dynamics in an Inverse Partially Premixed Combustor: the Froude Number Results, 111: 276
- Heat Transfer in Hot-Zone-Forming Pool Fires, 109: 353
- Ignition of Counterflowing Methane versus Heated Air under Reduced and Elevated Pressures, 108: 442
- Ignition of Methane Flames in Oxygen Near Inert Surfaces: Effects of Composition, Pressure, Preheat, and Residence Time, 110: 377
- Inhibiting Effects of CF₃I on the Reaction between CH₄ and O₂ in a Jet-Stirred Reactor, 109: 285
- Inhibitor Influence on the Bistability of a CSTR, 108: 61
- The Interaction of Liquid Reacting Droplets with The Pulsating Flow in a Rijke-Tube Container, 108: 87
- Linear-Eddy Modeling of Nonequilibrium Turbulent Reacting Flows with Nonpremixed Reactants, 109: 471
- Mechanism of Carbon Combustion: Relative Influence of Adsorption, Desorption, and Boundary Layer Diffusion as a Function of Pressure, 111: 350
- Methylamine Oxidation in a Flow Reactor: Mechanism and Modeling, 108: 235
- Modelling Finite-Rate Chemistry Effects on Nonpremixed Turbulent Combustion: Test on the Bluff-Body Stabilized Flame, 110: 298
- A Numerical Investigation of the Flame Structure of an Unsteady Inverse Partially Premixed Flame, 111: 296
- Numerical Simulations of Autoignition in Turbulent Mixing Flows, 109: 198
- A Numerical Study of Ignition in the Supersonic Hydrogen/Air Laminar Mixing Layer, 108: 199
- On Mild and Vigorous Oxidation of Mixtures of Chlorinated Hydrocarbons in Droplet Burning, 110: 222
- On Stationary and Travelling Flame Balls, 110: 524
- On the Response of Spherical Premixed Flames Under Rotation, 110: 78

- On the Spreading of Unsteady Cylindrical Diffusion Flames, 110: 152
- The Performance of Pulverized-Coal Flames in a Simulated Combined Cycle Unit, 111: 111
- Premixed Flame Response to Unsteady Strain Rate and Curvature, 110: 92
- A Quasi-One-Dimensional Premixed Flame Model with Cross-Stream Diffusion, 110: 335
- Radical Species Profiles in Low-Pressure Methane Flames Containing Fuel Nitrogen Compounds, 110: 1
- Reaction-Zone Structure of a Steady-State Detonation Wave in a Cylindrical Charge, 109: 253
- Relative Importance of Coherent Structures vs Background Turbulence in the Propagation of a Premixed Flame, 111: 257
- Shock Tube Study of the Effect of Nitrogen or Hydrogen on Ignition Delays in Mixtures of Monomethylhydrazine + Oxygen + Argon, 109: 37
- Statistical Model of Turbulent Premixed Combustion with Interacting Flamelets, 109: 173
- Structure and Propagation of Premixed Flame in Nozzle-Generated Counterflow, 109: 620
- A Study of One-Dimensional Laminar Premixed Flame Annihilation, 110: 508
- A Theory of Deflagration-to-Detonation Transition in Unconfined Flames, 108: 503
- A Uniform Strain Model of Elemental Flames in Turbulent Combustion Simulations, 111: 47
- Wall Effects on the Propagation and Extinction of Steady, Strained, Laminar Premixed Flames, 109: 237
- A Wide-Ranging Modeling Study of Iso-Octane Oxidation, 108: 24
- 5. COMBUSTION SYSTEMS: MODELING AND SCALING
 - Autoignition of Hydrogen at High Pressure, 111: 124
 - Coherent Anti-Stokes Raman Spectroscopy Measurements of Temperature Fluctuations in Turbulent Natural Gas-Fueled Piloted Jet Diffusion Flames, 110: 39
 - A Detailed Modeling Study of Aromatics Formation in Laminar Premixed Acetylene and Ethylene Flames, 110: 173
 - Detonation Structures Generated by Multiple Shocks on Ram-Accelerator Projectiles, 108: 173

- On Mild and Vigorous Oxidation of Mixtures of Chlorinated Hydrocarbons in Droplet Burning, 110: 222
- The Performance of Pulverized-Coal Flames in a Simulated Combined Cycle Unit, 111: 111
- Soot Oxidation and Agglomeration Modeling in a Microgravity Diffusion Flame, 110: 127
- A Uniform Strain Model of Elemental Flames in Turbulent Combustion Simulations, 111: 47
- Universal Behaviour in Erosive Burning of Solid Propellants, 109: 224
- A Wide-Ranging Modeling Study of Iso-Octane Oxidation, 108: 24

6. COMBUSTION SYSTEMS: NEW

- Dynamics of Gaseous Combustion in Closed Systems with an Inert Porous Medium, 109: 507
- 7. DETONATIONS: CONDENSED PHASE AND HETEROGENEOUS
 - Reaction-Zone Structure of a Steady-State Detonation Wave in a Cylindrical Charge, 109: 253
- 8. DETONATIONS: GAS PHASE
 - Autoignition of Hydrogen at High Pressure, 111: 124
 - Detonation Structures Generated by Multiple Shocks on Ram-Accelerator Projectiles, 108: 173
 - Experimental Study of the Ignition of Single Droplets under Forced Convection, 110: 366
 - Self-Ignition of S Engine Model Fuels: A Shock Tube Investigation at High Pressure, 109: 599
 - A Theory of Deflagration-to-Detonation Transition in Unconfined Flames, 108: 503
- 9. DIAGNOSTICS: LASER
 - Coherent Anti-Stokes Raman Spectroscopy Measurements of Temperature Fluctuations in Turbulent Natural Gas-Fueled Piloted Jet Diffusion Flames, 110: 39
 - Planar Laser Rayleigh Scattering for Quantitative Vapor-Fueling in a Diesel Jet, 109: 65

- 10. DIAGNOSTICS: OPTICAL AND PHOTOGRAPHIC
 - Calculations of the Effect of Nitrogen Vibrational Kinetics on Laminar Flame Temperature Profiles, 108: 127
 - Embedded Infrared Fiber Optic Absorption Studies of Nitramine Propellant Strand Burning, 111: 73
 - Infrared Fiber-Optic Diagnostic Observations of Solid Propellant Combustion, 108: 43
 - Nitrogen and Hydrogen CARS Temperature Measurements in a Hydrogen/Air Flame Using a Near-Adiabatic Flat-Flame Burner, 109: 323
 - Statistical Pyrometric Sizing of Particles in Fluidised Bed Combustion, 108: 315
 - Thermal Decomposition Studies of Energetic Studies Using Confined Rapid Thermolysis/ FTIR Spectroscopy, 110: 239
 - UV/Visible Absorption Spectroscopy of Dark Zones in Solid-Propellant Flames, 109: 342

11. DIAGNOSTICS: OTHER

- Self-Fragmentation of Nonadiabatic Cellular Flames, 108: 220
- Simultaneous Measurements of Soot Volume Fraction and Particle Size/Microstructure in Flames Using a Thermophoretic Sampling Technique, 110: 494
- Soot Volume Fraction and Temperature Measurement in Laminar Nonpremixed Flame Using Thermocouple, 109: 701
- Spontaneous Ignition Delays as a Diagnostic of the Propensity of Alkanes to Cause Engine Knock, 111: 327
- Thermal Decomposition Studies of Energetic Studies Using Confined Rapid Thermolysis/ FTIR Spectroscopy, 110: 239
- Two-Thermocouple Probe for Fluctuating Temperature Measurement in Combustion—Rational Estimation of Mean and Fluctuating Time Constants, 109: 549
- 12. EXPERIMENTAL TECHNIQUES OR RESULTS: BURNERS
 - Burning Velocities of Rich H₂–O₂ Flames under Cryogenic Conditions, 109: 427
 - Catalytically Supported Combustion on a Surface Burner: Modelling and NO_x Formation Analysis, 110: 140

Characteristics of Flame Propagation in a Vortex Core: Validity of a Model for Flame Propagation, 110: 418

Diffusion Flame Extinction and Viscous Hydrodynamics Around Rotating Porous Spheres with Surface Blowing, 108: 419

Dilute Laminar Spray Diffusion Flames near the Transition from Group Combustion to Individual Droplet Burning, 110: 392

Embedded Infrared Fiber Optic Absorption Studies of Nitramine Propellant Strand Burning, 111: 73

Experimental and Modeling Studies of a Rich H,/CO/N,O/Ar Flame, 109: 647

Ignition of Hydrogen-Enriched Methane by Heated Air, 110: 429

Instantaneous Flame-Stabilization Velocities in Lifted-Jet Diffusion Flames, 111: 16

Interaction Between Two Premixed Laminar V-Shaped Flame Fronts at Low Lewis Number, 110: 14

Peclet Correlation for Stability of Inverse Diffusion Flames in Methane-Air Cross Flows, 110: 405

Radical Species Profiles in Low-Pressure Methane Flames Containing Fuel Nitrogen Compounds, 110: 1

Soot Formation in Laminar Premixed Ethylene/ Air Flames at Atmospheric Pressure, 108: 471

Soot Volume Fraction and Temperature Measurement in Laminar Nonpremixed Flame Using Thermocouple, 109: 701

Soot Volume Fraction Maps for Normal and Reduced Gravity Laminar Acetylene Jet Diffusion Flames, 108: 227

Soot Zone Structure and Sooting Limit in Diffusion Flames: Comparison of Counterflow and Co-Flow Flames, 109: 266

Stabilization of Lifted Tribrachial Flames in a Laminar Nonpremixed Jet, 109: 163

Structure and Propagation of Premixed Flame in Nozzle-Generated Counterflow, 109: 620

A Study of the Structure of Submerged Reaction Zone in Porous Ceramic Radiant Burners, 111: 175

Turbulence Measurements and Observations of Turbulent Premixed Flames at Elevated Pressures up to 3.0 MPa, 108: 104

Wall Effects on the Propagation and Extinction of Steady, Strained, Laminar Premixed Flames, 109: 237

13. EXPERIMENTAL TECHNIQUES OR RESULTS: PLUG FLOW REACTORS

Analysis of Fuel Decay Routes in the High-Temperature Oxidation of 1-Methylnaphthalene, 108: 139

Low Temperature Interactions between Hydrocarbons and Nitric Oxide: An Experimental Study, 109: 25

Methylamine Oxidation in a Flow Reactor: Mechanism and Modeling, 108: 235

Modeling of Erosion Combustion of Energetic Materials in High-Enthalpy Flows, 111: 161

Pyrolysis Studies of Methylcyclohexane and Oxidation Studies of Methylcyclohexane and Methylcyclohexane/Toluene Blends, 108: 266

14. EXPERIMENTAL TECHNIQUES OR RESULTS: QUASI-STATIC VESSELS

Finding the Markstein Number Using the Measurements of Expanding Spherical Laminar Flames, 109: 436

Thermal Oxidation of Chloroform, 109: 188

15. EXPERIMENTAL TECHNIQUES OR RESULTS: SHOCK TUBES

The Ignition of Oxetane in Shock Waves and Oxidation in a Jet-Stirred Reactor: An Experimental and Modeling Study, 110: 409

Kinetic Study of Pulverized Coal Combustion at High Pressure Using a Shock Tube, 108: 1

Self-Ignition of S Engine Model Fuels: A Shock Tube Investigation at High Pressure, 109: 599

Shock Tube Study of the Effect of Nitrogen or Hydrogen on Ignition Delays in Mixtures of Monomethylhydrazine + Oxygen + Argon, 109: 37

16. EXPERIMENTAL TECHIQUES OR RESULTS: WELL STIRRED REACTORS

The Ignition of Oxetane in Shock Waves and Oxidation in a Jet-Stirred Reactor: An Experimental and Modeling Study, 110: 409

Inhibitor Influence on the Bistability of a CSTR, 108: 61

17. FIRE OR EXPLOSION PHENOMENA, COMBUSTION SAFETY

Accounting for Reactant Consumption in the Thermal Explosion Problem Part II, 108: 361

- Dynamics of Gaseous Combustion in Closed Systems with an Inert Porous Medium, 109: 507
- Effects of Pressure, Initial Temperature, and Propellant Ingredients on Flame-Spreading into a Hole, 108: 397
- Heat Transfer in Hot-Zone-Forming Pool Fires, 109: 353
- Kinetics of Thermal Decomposition of Styrene-Butadiene Rubber at Low Heating Rates in Nitrogen and Oxygen, 108: 408
- On the Violence of Thermal Explosion in Solid Explosives, 110: 264
- Oxidation Rates of Coals as Measured from One-Dimensional Spontaneous Heating, 109: 578
- The Role of the Diffusion of Oxygen and Radiation on the Spontaneous Combustibility of a Coal Pile in Confined Storage, 110: 479

18. FLAME IGNITION OR STABILIZATION

- Experimental and Numerical Investigation of the Catalytic Ignition of Mixtures of Hydrogen and Oxygen on Platinum, 111: 312
- Experimental Investigation of Gas Combustion Regimes in Narrow Tubes, 108: 357
- Ignition and Combustion of Aluminum in Oxygen/Nitrogen Mixture Streams, 108: 387
- Ignition of Counterflowing Methane versus Heated Air under Reduced and Elevated Pressures, 108: 442
- Ignition of Hydrogen-Enriched Methane by Heated Air, 110: 429
- Ignition of Methane Flames in Oxygen Near Inert Surfaces: Effects of Composition, Pressure, Preheat, and Residence Time, 110: 377
- Instantaneous Flame-Stabilization Velocities in Lifted-Jet Diffusion Flames, 111: 16
- Spontaneous Ignition Delays as a Diagnostic of the Propensity of Alkanes to Cause Engine Knock, 111: 327

19. FLAME QUENCHING OR EXTINCTION

- Analysis of Wall Heat Fluxes, Reaction Mechanisms, and Unburnt Hydrocarbons during the Head-on Quenching of a Laminar Methane Flame, 108: 327
- Diffusion Flame Extinction and Viscous Hydrodynamics Around Rotating Porous

- Spheres with Surface Blowing, 108: 419
- Dynamics of Gaseous Combustion in Closed Systems with an Inert Porous Medium, 109: 507
- Extinction of Turbulent Diffusion Flames by Kolmogorov Microscale Turbulence, 109: 669
- Radiation Extinction Limit of Counterflow Premixed Lean Methane-Air Flames, 109: 639
- Self-Fragmentation of Nonadiabatic Cellular Flames, 108: 220
- A Study of One-Dimensional Laminar Premixed Flame Annihilation, 110: 508

20. FLAMES: DIFFUSION

- Aspects of Soot Dynamics as Revealed by Measurements of Broadband Fluorescence and Flame Luminosity in Flickering Diffusion Bands, 111: 185
- Calculations of the Effect of Nitrogen Vibrational Kinetics on Laminar Flame Temperature Profiles, 108: 127
- Coherent Anti-Stokes Raman Spectroscopy Measurements of Temperature Fluctuations in Turbulent Natural Gas-Fueled Piloted Jet Diffusion Flames, 110: 39
- Conditions for a Split Diffusion Flame, 109: 314
- Diffusion Flame Extinction and Viscous Hydrodynamics Around Rotating Porous Spheres with Surface Blowing, 108: 419
- Direct Numerical Simulation of Turbulent Nonpremixed Combustion with Multistep Hydrogen-Oxygen Kinetics, 109: 113
- Droplet Ignition in a High-Temperature Convective Environment, 109:145
- Effects of Gas-Band Radiation on Soot Kinetics in Laminar Methane/Air Diffusion Flames, 110: 256
- Effects of Variable Partial Premixing on Turbulent Jet Flame Structure, 109: 536
- Extinction of Turbulent Diffusion Flames by Kolmogorov Microscale Turbulence, 109: 669
- Flame and Droplet Interaction Effects During Droplet-Stream Combustion at Zero Reynolds Number, 108: 287
- Flame and Flow Characteristics of Double Concentric Jets, 108: 9

Flamelet-Based Modeling of NO Formation in Turbulent Hydrogen Jet Diffusion Flames, 111: 1

Heat Transfer in Hot-Zone-Forming Pool Fires, 109: 353

Ignition of Counterflowing Methane versus Heated Air under Reduced and Elevated Pressures, 108: 442

Ignition of Hydrogen-Enriched Methane by Heated Air, 110: 429

Instantaneous Flame-Stabilization Velocities in Lifted-Jet Diffusion Flames, 111: 16

Investigation of Soot Precursor Carbonization using Laser-Induced Fluorescence and Laser-Induced Incandescence, 110: 281

A Laminar Flamelet Approach to Subgrid-Scale Chemistry in Turbulent Flows, 109: 332

Linear-Eddy Modeling of Nonequilibrium Turbulent Reacting Flows with Nonpremixed Reactants, 109: 471

Modelling Finite-Rate Chemistry Effects on Nonpremixed Turbulent Combustion: Test on the Bluff-Body Stabilized Flame, 110: 298

Numerical Simulations of Autoignition in Turbulent Mixing Flows, 109: 198

A Numerical Study of Ignition in the Supersonic Hydrogen/Air Laminar Mixing Layer, 108: 199

OH and Soot Concentration Measurements in a High-Temperature Laminar Diffusion Flame, 111: 338

On Stationary and Travelling Flame Balls, 110: 524

On the Spreading of Unsteady Cylindrical Diffusion Flames, 110: 152

Peclet Correlation for Stability of Inverse Diffusion Flames in Methane-Air Cross Flows, 110: 405

Radiative Emission Fraction of Pool Fires Burning Silicone Fluids, 108: 118

The Role of the Diffusion of Oxygen and Radiation on the Spontaneous Combustibility of a Coal Pile in Confined Storage, 110: 479

Self-Fragmentation of Nonadiabatic Cellular Flames, 108: 220

Shock Tube Study of the Effect of Nitrogen or Hydrogen on Ignition Delays in Mixtures of Monomethylhydrazine + Oxygen + Argon, 109: 37

A Simplified Theory of the Ignition of Single Droplets under Forced Convection, 110: 319 Simultaneous Laser-Induced Emission of Soot and Polycyclic Aromatic Hydrocarbons Within a Gas-Jet Diffusion Flame, 109: 399

Soot Volume Fraction and Temperature Measurement in Laminar Nonpremixed Flame Using Thermocouple, 109: 701

Soot Volume Fraction Maps for Normal and Reduced Gravity Laminar Acetylene Jet Diffusion Flames, 108: 227

Soot Zone Structure and Sooting Limit in Diffusion Flames: Comparison of Counterflow and Co-Flow Flames, 109: 266

Stabilization of Lifted Tribrachial Flames in a Laminar Nonpremixed Jet, 109: 163

Strategy for the Simplification of Nitric Oxide Chemistry in a Laminar Methane/Air Diffusion Flamelet, 111: 208

Transient Effects in Droplet Ignition Phenomenon, 109: 303

Two-Thermocouple Probe for Fluctuating Temperature Measurement in Combustion—Rational Estimation of Mean and Fluctuating Time Constants, 109: 549

A Uniform Strain Model of Elemental Flames in Turbulent Combustion Simulations, 111: 47

Unsteady-State Turbulent Diffusive Combustion in Confined Volumes, 111: 221

21. FLAMES: NONSTEADY

Analysis of Wall Heat Fluxes, Reaction Mechanisms, and Unburnt Hydrocarbons during the Head-on Quenching of a Laminar Methane Flame, 108: 327

Aspects of Soot Dynamics as Revealed by Measurements of Broadband Fluorescence and Flame Luminosity in Flickering Diffusion Bands, 111: 185

Conditions for a Split Diffusion Flame, 109: 314

Droplet Ignition in a High-Temperature Convective Environment, 109:145

Experimental Investigation of the Developing Process of an Unsteady Diffusion Flame, 110: 67

Flame Stretch Interactions of Laminar Premixed Hydrogen/Air Flames at Normal Temperature and Pressure, 109: 1

Flame-Vortex Dynamics in an Inverse Partially Premixed Combustor: the Froude Number Results, 111: 276

The Interaction of Liquid Reacting Droplets with The Pulsating Flow in a Rijke-Tube Container, 108: 87

- A Laminar Flamelet Approach to Subgrid-Scale Chemistry in Turbulent Flows, 109: 332 Flame, 110: 298
- Nitrogen and Hydrogen CARS Temperature Measurements in a Hydrogen/Air Flame Using a Near-Adiabatic Flat-Flame Burner, 109: 323
- A Numerical Investigation of the Flame Structure of an Unsteady Inverse Partially Premixed Flame, 111: 296
- On the Spreading of Unsteady Cylindrical Diffusion Flames, 110: 152
- Premixed Flame Response to Unsteady Strain Rate and Curvature, 110: 92
- The Role of the Diffusion of Oxygen and Radiation on the Spontaneous Combustibility of a Coal Pile in Confined Storage, 110: 479
- Transient Effects in Droplet Ignition Phenomenon, 109: 303
- A Uniform Strain Model of Elemental Flames in Turbulent Combustion Simulations, 111: 47
- Unsteady-State Turbulent Diffusive Combustion in Confined Volumes, 111: 221

22. FLAMES: PREMIXED

- Analysis of Wall Heat Fluxes, Reaction Mechanisms, and Unburnt Hydrocarbons during the Head-on Quenching of a Laminar Methane Flame, 108: 327
- Approximations for Burning Velocities and Markstein Numbers for Lean Hydrocarbon and Methanol Flames, 108: 349
- Burning Velocities of CO Flames, 110: 285
- Burning Velocities of Rich H₂-O₂ Flames under Cryogenic Conditions, 109: 427
- Calculations of the Effect of Nitrogen Vibrational Kinetics on Laminar Flame Temperature Profiles, 108: 127
- Catalytically Supported Combustion on a Surface Burner: Modelling and NO_x Formation Analysis, 110: 140
- Characteristics of Flame Propagation in a Vortex Core: Validity of a Model for Flame Propagation, 110: 418
- A Coherent Flame Model of Premixed Turbulent Combustion in a Counterflow Geometry, 109: 43
- A Detailed Modeling Study of Aromatics Formation in Laminar Premixed Acetylene and Ethylene Flames, 110: 173

- Development of a Computational Scheme for Transient Combustion inside a Refractory Tube, 108: 158
- The Effect of Nitric Oxide on Premixed Flames of CH₄, C₂H₆, C₂H₄, and C₂H₂ 110: 87
- Effects of Variable Partial Premixing on Turbulent Jet Flame Structure, 109: 536
- An Evaluation of Different Contributions to Flame Stretch for Stationary Premixed Flames, 110: 54
- Excitability in High-Lewis Number Premixed Gas Combustion, 109: 382
- Experimental Investigation of Gas Combustion Regimes in Narrow Tubes, 108: 357
- Filtration Combustion in Moving Media: One and Two Reaction Zone Structures, 110: 441
- Finding the Markstein Number Using the Measurements of Expanding Spherical Laminar Flames, 109: 436
- Flamelet-Vortex Interaction and The Gibson Scale, 109: 293
- Flame Stretch Interactions of Laminar Premixed Hydrogen/Air Flames at Normal Temperature and Pressure, 109: 1
- Flame-Vortex Dynamics in an Inverse Partially Premixed Combustor: the Froude Number Results, 111: 276
- Interaction Between Two Premixed Laminar V-Shaped Flame Fronts at Low Lewis Number, 110: 14
- Linear-Eddy Modeling of Nonequilibrium Turbulent Reacting Flows with Nonpremixed Reactants, 109: 471
- Numerical and Asymptotic Studies of the Structure of Stoichiometric and Lean Premixed Heptane Flames, 108: 518
- A Numerical Investigation of the Flame Structure of an Unsteady Inverse Partially Premixed Flame, 111: 296
- On Stationary and Travelling Flame Balls, 110: 524
- On the Response of Spherical Premixed Flames Under Rotation, 110: 78
- Premixed Flame Response to Unsteady Strain Rate and Curvature, 110: 92
- A Quasi-One-Dimensional Premixed Flame Model with Cross-Stream Diffusion, 110: 335
- Radiation Extinction Limit of Counterflow Premixed Lean Methane-Air Flames, 109: 639

Radical Species Profiles in Low-Pressure Methane Flames Containing Fuel Nitrogen Compounds, 110: 1

Relative Importance of Coherent Structures vs Background Turbulence in the Propagation of a Premixed Flame, 111: 257

Scalar Gradient and Related Quantities in Turbulent Premixed Flames, 109: 682

Self-Fragmentation of Nonadiabatic Cellular Flames, 108: 220

Soot Formation in Laminar Premixed Ethylene/ Air Flames at Atmospheric Pressure, 108: 471

Soot Oxidation and Agglomeration Modeling in a Microgravity Diffusion Flame, 110: 127

Statistical Model of Turbulent Premixed Combustion with Interacting Flamelets, 109: 173

Structure and Propagation of Premixed Flame in Nozzle-Generated Counterflow, 109: 620

A Study of One-Dimensional Laminar Premixed Flame Annihilation, 110: 508

A Study of the Structure of Submerged Reaction Zone in Porous Ceramic Radiant Burners, 111: 175

Turbulence Measurements and Observations of Turbulent Premixed Flames at Elevated Pressures up to 3.0 MPa, 108: 104

A Uniform Strain Model of Elemental Flames in Turbulent Combustion Simulations, 111: 47

Wall Effects on the Propagation and Extinction of Steady, Strained, Laminar Premixed Flames, 109: 237

23. FLAMES: TURBULENT

Coherent Anti-Stokes Raman Spectroscopy Measurements of Temperature Fluctuations in Turbulent Natural Gas-Fueled Piloted Jet Diffusion Flames, 110: 39

A Coherent Flame Model of Premixed Turbulent Combustion in a Counterflow Geometry, 109: 43

Differential Diffusion in Binary Scalar and Mixing Reaction, 109: 561

Direct Numerical Simulation of Turbulent Nonpremixed Combustion with Multistep Hydrogen-Oxygen Kinetics, 109: 113

The Effects of Acoustics on an Ethanol Spray Flame in A Propane-Fired Pulse Combustor, 110: 25 Effects of Variable Partial Premixing on Turbulent Jet Flame Structure, 109: 536

Extinction of Turbulent Diffusion Flames by Kolmogorov Microscale Turbulence, 109: 669

Flamelet-Based Modeling of NO Formation in Turbulent Hydrogen Jet Diffusion Flames, 111: 1

Heat Transfer in Hot-Zone-Forming Pool Fires, 109: 353

Instantaneous Flame-Stabilization Velocities in Lifted-Jet Diffusion Flames, 111: 16

A Laminar Flamelet Approach to Subgrid-Scale Chemistry in Turbulent Flows, 109: 332

Modelling Finite-Rate Chemistry Effects on Nonpremixed Turbulent Combustion: Test on the Bluff-Body Stabilized Flame, 110: 298

Premixed Flame Response to Unsteady Strain Rate and Curvature, 110: 92

Radiative Emission Fraction of Pool Fires Burning Silicone Fluids, 108: 118

Relative Importance of Coherent Structures vs Background Turbulence in the Propagation of a Premixed Flame, 111: 257

Scalar Gradient and Related Quantities in Turbulent Premixed Flames, 109: 682

Soot Formation Modeling for Turbulent Flames, 108: 71

Statistical Model of Turbulent Premixed Combustion with Interacting Flamelets, 109: 173

A Theory of Deflagration-to-Detonation Transition in Unconfined Flames, 108: 503

Turbulence Measurements and Observations of Turbulent Premixed Flames at Elevated Pressures up to 3.0 MPa, 108: 104

Two-Thermocouple Probe for Fluctuating Temperature Measurement in Combustion—Rational Estimation of Mean and Fluctuating Time Constants, 109: 549

Unsteady-State Turbulent Diffusive Combustion in Confined Volumes, 111: 221

24. FLAMMABILITY

25. FLUID DYNAMICS: STEADY FLOW

An Evaluation of Different Contributions to Flame Stretch for Stationary Premixed Flames, 110: 54

26. FLUID DYNAMICS: NONSTEADY AND INSTABILITY

Characteristics of Flame Propagation in a Vortex Core: Validity of a Model for Flame Propagation, 110: 418

Conditions for a Split Diffusion Flame, 109: 314

Development of a Computational Scheme for Transient Combustion inside a Refractory Tube, 108: 158

Excitability in High-Lewis Number Premixed Gas Combustion, 109: 382

Flame and Flow Characteristics of Double Concentric Jets, 108: 9

27. FLUID DYNAMICS: TURBULENT

Flamelet-Based Modeling of NO Formation in Turbulent Hydrogen Jet Diffusion Flames, 111: 1

Linear-Eddy Modeling of Nonequilibrium Turbulent Reacting Flows with Nonpremixed Reactants, 109: 471

Modeling of Erosion Combustion of Energetic Materials in High-Enthalpy Flows, 111: 161

28. FUELS, OXIDIZERS AND ADDITIVES, NONCONVENTIONAL

Ignition and Combustion of Aluminum in Oxygen/Nitrogen Mixture Streams, 108: 387

On the Survivability and Pyrosynthesis of PAH During Combustion of Pulverized Coal and Tire Crumb, 110: 462

The Reduction of the Nitrogen Oxides NO and N₂O to Molecular Nitrogen in the Presence of Iron, Its Oxides, and Carbon Monoxide in a Hot Fluidized Bed, 110: 351

29. HETEROGENEOUS COMBUSTION: AEROSOLS, SPRAYS AND AIRBORNE DUSTS

Dilute Laminar Spray Diffusion Flames near the Transition from Group Combustion to Individual Droplet Burning, 110: 392

The Effects of Acoustics on an Ethanol Spray Flame in A Propane-Fired Pulse Combustor, 110: 25

Flame and Droplet Interaction Effects During Droplet-Stream Combustion at Zero Reynolds Number, 108: 287

Planar Laser Rayleigh Scattering for Quantitative Vapor-Fueling in a Diesel Jet, 109: 65 Simultaneous Measurements of Soot Volume Fraction and Particle Size/Microstructure in Flames Using a Thermophoretic Sampling Technique, 110: 494

30. HETEROGENEOUS COMBUSTION: CATALYTIC COMBUSTION

Experimental and Numerical Investigation of the Catalytic Ignition of Mixtures of Hydrogen and Oxygen on Platinum, 111: 312

31. HETEROGENEOUS COMBUSTION: COAL, CHAR OR CARBON

The Effect of Microstructural Transformation on the Evolution of Thermal Conductivity of Highly Porous Chars During Oxidation, 109: 521

Effects of Surface Voids on Burning Rate Measurements of Pulverized Coal at Diffusion-Limited Conditions, 108: 187

Evaluation of the Combustion Efficiency and Emission of Pollutants by Coal Particles in a Vortexing Fluidized Bed, 110: 163

Kinetic Study of Pulverized Coal Combustion at High Pressure Using a Shock Tube, 108: 1

A Numerical Study of Ignition in the Supersonic Hydrogen/Air Laminar Mixing Layer, 108: 199

OH and Soot Concentration Measurements in a High-Temperature Laminar Diffusion Flame, 111: 338

On the Survivability and Pyrosynthesis of PAH During Combustion of Pulverized Coal and Tire Crumb, 110: 462

Oxidation Rates of Coals as Measured from One-Dimensional Spontaneous Heating, 109: 578

The Performance of Pulverized-Coal Flames in a Simulated Combined Cycle Unit, 111: 111

A Relationship between the Kinetic Parameters of Char Combustion and the Coal's Properties, 109: 587

Release of Inorganic Material During Coal Devolatilization, 108: 494

The Role of the Diffusion of Oxygen and Radiation on the Spontaneous Combustibility of a Coal Pile in Confined Storage, 110: 479

Statistical Pyrometric Sizing of Particles in Fluidised Bed Combustion, 108: 315

Temperatures in a Fuel Particle Burning in a Fluidized Bed: The Effect of Drying, Devolatilization, and Char Combustion, 108: 302

32. HETEROGENEOUS COMBUSTION: SINGLE DROPLET OR PARTICLE

Droplet Ignition in a High-Temperature Convective Environment, 109:145

The Effect of Microstructural Transformation on the Evolution of Thermal Conductivity of Highly Porous Chars During Oxidation, 109: 521

Experimental Study of the Ignition of Single Droplets under Forced Convection, 110: 366

Flame and Droplet Interaction Effects During Droplet-Stream Combustion at Zero Reynolds Number, 108: 287

Ignition and Combustion of Aluminum in Oxygen/Nitrogen Mixture Streams, 108: 387

The Interaction of Liquid Reacting Droplets with The Pulsating Flow in a Rijke-Tube Container, 108: 87

Kinetics of Thermal Decomposition of Styrene-Butadiene Rubber at Low Heating Rates in Nitrogen and Oxygen, 108: 408

On Mild and Vigorous Oxidation of Mixtures of Chlorinated Hydrocarbons in Droplet Burning, 110: 222

A Simplified Theory of the Ignition of Single Droplets under Forced Convection, 110: 319

Transient Effects in Droplet Ignition Phenomenon, 109: 303

33. HETEROGENEOUS COMBUSTION: SLAB, POOL, FLUIDIZED BED, ETC.

The Effect of Nitric Oxide on Premixed Flames of CH₄, C₂H₆, C₂H₄, and C₂H₂ 110: 87

Effects of Pressure, Initial Temperature, and Propellant Ingredients on Flame-Spreading into a Hole, 108: 397

Evaluation of the Combustion Efficiency and Emission of Pollutants by Coal Particles in a Vortexing Fluidized Bed, 110: 163

Experimental Study on Combustion in Porous Media with a Reciprocating Flow System, 111: 32

Infrared Fiber-Optic Diagnostic Observations of Solid Propellant Combustion, 108: 43 Liquid-Flame Combustion II: Some Physical and Chemical Characteristics of the Burning Process, 110: 113

Modeling of Erosion Combustion of Energetic Materials in High-Enthalpy Flows, 111: 161

Radiative Emission Fraction of Pool Fires Burning Silicone Fluids, 108: 118

The Reduction of the Nitrogen Oxides NO and N₂O to Molecular Nitrogen in the Presence of Iron, Its Oxides, and Carbon Monoxide in a Hot Fluidized Bed, 110: 351

Statistical Pyrometric Sizing of Particles in Fluidised Bed Combustion, 108: 315

A Study of the Structure of Submerged Reaction Zone in Porous Ceramic Radiant Burners, 111: 175

Temperatures in a Fuel Particle Burning in a Fluidized Bed: The Effect of Drying, Devolatilization, and Char Combustion, 108: 302

UV/Visible Absorption Spectroscopy of Dark Zones in Solid-Propellant Flames, 109: 342

34. INHIBITION

Inhibiting Effects of CF₃I on the Reaction between CH₄ and O₂ in a Jet-Stirred Reactor, 109: 285

35. IONIZATION AND/OR ELECTRICAL EFFECTS

36. KINETICS AND/OR REACTION MECHA-NISMS: DETAILED

Analysis of Fuel Decay Routes in the High-Temperature Oxidation of 1-Methylnaphthalene, 108: 139

Autoignition of Hydrogen at High Pressure, 111: 124

A Detailed Modeling Study of Aromatics Formation in Laminar Premixed Acetylene and Ethylene Flames, 110: 173

Direct Numerical Simulation of Turbulent Nonpremixed Combustion with Multistep Hydrogen-Oxygen Kinetics, 109: 113

The Effect of Microstructural Transformation on the Evolution of Thermal Conductivity of Highly Porous Chars During Oxidation, 109: 521

The Effect of Nitric Oxide on Premixed Flames of CH₄, C₂H₆, C₂H₄, and C₂H₂, 110: 87

Experimental and Modeling Studies of a Rich H₂/CO/N₂O/Ar Flame, 109: 647

- High Pressure Studies of Moist Carbon Monoxide/Nitrous Oxide Kinetics, 109: 449
- Experimental and Numerical Investigation of the Catalytic Ignition of Mixtures of Hydrogen and Oxygen on Platinum, 111: 312
- Ignition of Counterflowing Methane versus Heated Air under Reduced and Elevated Pressures, 108: 442
- Ignition of Methane Flames in Oxygen Near Inert Surfaces: Effects of Composition, Pressure, Preheat, and Residence Time, 110: 377
- The Ignition of Oxetane in Shock Waves and Oxidation in a Jet-Stirred Reactor: An Experimental and Modeling Study, 110: 409
- Inhibiting Effects of CF₃I on the Reaction between CH₄ and O₂ in a Jet-Stirred Reactor, 109: 285
- Inhibitor Influence on the Bistability of a CSTR, 108: 61
- Methylamine Oxidation in a Flow Reactor: Mechanism and Modeling, 108: 235
- Numerical and Asymptotic Studies of the Structure of Stoichiometric and Lean Premixed Heptane Flames, 108: 518
- On Mild and Vigorous Oxidation of Mixtures of Chlorinated Hydrocarbons in Droplet Burning, 110: 222
- Pyrolysis Studies of Methylcyclohexane and Oxidation Studies of Methylcyclohexane and Methylcyclohexane/Toluene Blends, 108: 266
- Radical Species Profiles in Low-Pressure Methane Flames Containing Fuel Nitrogen Compounds, 110: 1
- Soot Formation in Laminar Premixed Ethylene/ Air Flames at Atmospheric Pressure, 108: 471
- Soot Zone Structure and Sooting Limit in Diffusion Flames: Comparison of Counterflow and Co-Flow Flames, 109: 266
- Strategy for the Simplification of Nitric Oxide Chemistry in a Laminar Methane/Air Diffusion Flamelet, 111: 208
- Thermal Oxidation of Chloroform, 109: 188 A Wide-Ranging Modeling Study of Iso-Octane Oxidation, 108: 24

- 37. KINETICS AND/OR REACTION MECHA-NISMS: OVERALL
 - Approximations for Burning Velocities and Markstein Numbers for Lean Hydrocarbon and Methanol Flames, 108: 349
 - Kinetics and Mechanisms of Flash Pyrolysis of Poly(methyl methacrylate) (PMMA), 109: 415
 - Kinetics and Products from Flash Pyrolysis of Cellulose Acetate Butyrate (CAB) at 460-600°C, 109: 370
 - Kinetics of Thermal Decomposition of Styrene-Butadiene Rubber at Low Heating Rates in Nitrogen and Oxygen, 108: 408
 - Kinetic Study of Pulverized Coal Combustion at High Pressure Using a Shock Tube, 108: 1
 - Low Temperature Interactions between Hydrocarbons and Nitric Oxide: An Experimental Study, 109: 25
 - Modelling Finite-Rate Chemistry Effects on Nonpremixed Turbulent Combustion: Test on the Bluff-Body Stabilized Flame, 110: 298
 - Numerical and Asymptotic Studies of the Structure of Stoichiometric and Lean Premixed Heptane Flames, 108: 518
 - Numerical Simulations of Autoignition in Turbulent Mixing Flows, 109: 198
 - Self-Ignition of S Engine Model Fuels: A Shock Tube Investigation at High Pressure, 109: 599
 - Soot Formation Modeling for Turbulent Flames, 108: 71
 - Soot Oxidation and Agglomeration Modeling in a Microgravity Diffusion Flame, 110: 127
 - A Wide-Ranging Modeling Study of Iso-Octane Oxidation, 108: 24
- 38. POLLUTANTS: INORGANICS AND SOOT
 - Aspects of Soot Dynamics as Revealed by Measurements of Broadband Fluorescence and Flame Luminosity in Flickering Diffusion Bands, 111: 185
 - Effects of Gas-Band Radiation on Soot Kinetics in Laminar Methane/Air Diffusion Flames, 110: 256
 - Experimental Study on Combustion in Porous Media with a Reciprocating Flow System, 111: 32

High Pressure Studies of Moist Carbon Monoxide/Nitrous Oxide Kinetics, 109: 449

Investigation of Soot Precursor Carbonization using Laser-Induced Fluorescence and Laser-Induced Incandescence, 110: 281

Microstructure of Diesel Soot Particles Probed by Electron Microscopy: First Observation of Inner Core and Outer Shell, 108: 231

OH and Soot Concentration Measurements in a High-Temperature Laminar Diffusion Flame, 111: 338

Quantitative Analysis of In Situ Optical
Diagnostics for Inferring Particle/Aggregate
Parameters in Flames: Implications for Soot
Surface Growth and Total Emissivity,
109: 488

Simultaneous Laser-Induced Emission of Soot and Polycyclic Aromatic Hydrocarbons Within a Gas-Jet Diffusion Flame, 109: 399

Simultaneous Measurements of Soot Volume Fraction and Particle Size/Microstructure in Flames Using a Thermophoretic Sampling Technique, 110: 494

Soot Formation in Laminar Premixed Ethylene/ Air Flames at Atmospheric Pressure, 108: 471

Soot Formation Modeling for Turbulent Flames, 108: 71

Soot Oxidation and Agglomeration Modeling in a Microgravity Diffusion Flame, 110: 127

Soot Volume Fraction Maps for Normal and Reduced Gravity Laminar Acetylene Jet Diffusion Flames, 108: 227

Soot Zone Structure and Sooting Limit in Diffusion Flames: Comparison of Counterflow and Co-Flow Flames, 109: 266

39. POLLUTANTS: NO.

Catalytically Supported Combustion on a Surface Burner: Modelling and NO_x Formation Analysis, 110: 140

Evaluation of the Combustion Efficiency and Emission of Pollutants by Coal Particles in a Vortexing Fluidized Bed, 110: 163

Experimental and Modeling Studies of a Rich H₂/CO/N₂O/Ar Flame, 109: 647

Experimental Study on Combustion in Porous Media with a Reciprocating Flow System, 111: 32

High Pressure Studies of Moist Carbon Monoxide/Nitrous Oxide Kinetics, 109: 449

Low Temperature Interactions between Hydrocarbons and Nitric Oxide: An Experimental Study, 109: 25 The Performance of Pulverized-Coal Flames in a Simulated Combined Cycle Unit, 111: 111

The Reduction of the Nitrogen Oxides NO and N₂O to Molecular Nitrogen in the Presence of Iron, Its Oxides, and Carbon Monoxide in a Hot Fluidized Bed, 110: 351

Strategy for the Simplification of Nitric Oxide Chemistry in a Laminar Methane/Air Diffusion Flamelet, 111: 208

40. POLLUTANTS: OTHER

Analysis of Wall Heat Fluxes, Reaction Mechanisms, and Unburnt Hydrocarbons during the Head-on Quenching of a Laminar Methane Flame, 108: 327

Evaluation of the Combustion Efficiency and Emission of Pollutants by Coal Particles in a Vortexing Fluidized Bed, 110: 163

On the Survivability and Pyrosynthesis of PAH During Combustion of Pulverized Coal and Tire Crumb, 110: 462

41. PROPELLANTS: PYROTECHNICS AND EXPLOSIVES

The Effect of Nitric Oxide on Premixed Flames of CH₄, C₂H₆, C₂H₄, and C₂H₂, 111: 87

Effects of Pressure, Initial Temperature, and Propellant Ingredients on Flame-Spreading into a Hole, 108: 397

Embedded Infrared Fiber Optic Absorption Studies of Nitramine Propellant Strand Burning, 111: 73

Flash Pyrolysis of Polyethylene Glycol Part I: Chemometric Resolution of FTIR Spectra of the Volatile Products at 370–550°C, 109: 87

Flash Pyrolysis of Polyethylene Glycol II: Kinetics Determined by T-Jump/FTIR Spectroscopy, 109: 105

Fracture-Induced and Thermal Decomposition of NTO Using Laser Ionization Mass Spectrometry, 111: 133

Infrared Fiber-Optic Diagnostic Observations of Solid Propellant Combustion, 108: 43

Kinetics and Mechanisms of Flash Pyrolysis of Poly(methyl methacrylate) (PMMA), 109: 415

Kinetics and Products from Flash Pyrolysis of Cellulose Acetate Butyrate (CAB) at 460-600°C, 109: 370

Liquid-Flame Combustion II: Some Physical and Chemical Characteristics of the Burning Process, 110: 113

- On the Violence of Thermal Explosion in Solid Explosives, 110: 264
- Shock Tube Study of the Effect of Nitrogen or Hydrogen on Ignition Delays in Mixtures of Monomethylhydrazine + Oxygen + Argon, 109: 37
- Thermal Decomposition Studies of Energetic Studies Using Confined Rapid Thermolysis/ FTIR Spectroscopy, 110: 239
- Universal Behaviour in Erosive Burning of Solid Propellants, 109: 224
- UV/Visible Absorption Spectroscopy of Dark Zones in Solid-Propellant Flames, 109: 342

42. PYROLYSIS AND THERMAL DECOMPO-SITION

- Analysis of Fuel Decay Routes in the High-Temperature Oxidation of 1-Methylnaphthalene, 108: 139
- The Effect of Nitric Oxide on Premixed Flames of CH₄, C₂H₆, C₂H₄, and C₂H₂, 111: 87
- Flash Pyrolysis of Polyethylene Glycol Part I: Chemometric Resolution of FTIR Spectra of the Volatile Products at 370–550°C, 109: 87
- Flash Pyrolysis of Polyethylene Glycol II: Kinetics Determined by T-Jump/FTIR Spectroscopy, 109: 105
- Fracture-Induced and Thermal Decomposition of NTO Using Laser Ionization Mass Spectrometry, 111: 133
- Kinetics and Mechanisms of Flash Pyrolysis of Poly(methyl methacrylate) (PMMA), 109: 415
- Kinetics and Products from Flash Pyrolysis of Cellulose Acetate Butyrate (CAB) at 460-600°C, 109: 370
- Kinetics of Thermal Decomposition of Styrene-Butadiene Rubber at Low Heating Rates in Nitrogen and Oxygen, 108: 408
- On the Violence of Thermal Explosion in Solid Explosives, 110: 264
- Pyrolysis Studies of Methylcyclohexane and Oxidation Studies of Methylcyclohexane and Methylcyclohexane/Toluene Blends, 108: 266
- Release of Inorganic Material During Coal Devolatilization, 108: 494
- Thermal Decomposition Studies of Energetic Studies Using Confined Rapid Thermolysis/ FTIR Spectroscopy, 110: 239

43. RADIATION SPECTRA AND EXCITED SPECIES

- Calculations of the Effect of Nitrogen Vibrational Kinetics on Laminar Flame Temperature Profiles, 108: 127
- Nitrogen and Hydrogen CARS Temperature Measurements in a Hydrogen/Air Flame Using a Near-Adiabatic Flat-Flame Burner, 109: 323
- Quantitative Analysis of In Situ Optical
 Diagnostics for Inferring Particle/Aggregate
 Parameters in Flames: Implications for Soot
 Surface Growth and Total Emissivity,
 109: 488
- Radiative Emission Fraction of Pool Fires Burning Silicone Fluids, 108: 118
- Simultaneous Laser-Induced Emission of Soot and Polycyclic Aromatic Hydrocarbons Within a Gas-Jet Diffusion Flame, 109: 399

44. SMOLDERING AND LOW TEMPERATURE OXIDATION

Oxidation Rates of Coals as Measured from One-Dimensional Spontaneous Heating, 109: 578

45. THERMOCHEMISTRY AND THERMODY-NAMICS

46. TRANSPORT OF HEAT AND MASS

- Differential Diffusion in Binary Scalar and Mixing Reaction, 109: 561
- Effects of Gas-Band Radiation on Soot Kinetics in Laminar Methane/Air Diffusion Flames, 110: 256
- Experimental and Numerical Investigation of the Catalytic Ignition of Mixtures of Hydrogen and Oxygen on Platinum, 111: 312
- Heat Transfer in Hot-Zone-Forming Pool Fires, 109: 353
- Interaction Between Two Premixed Laminar V-Shaped Flame Fronts at Low Lewis Number, 110: 14
- Radiation Extinction Limit of Counterflow Premixed Lean Methane-Air Flames, 109: 639

47. HIGH TEMPERATURE SYNTHESIS

Combustion Modes in the Titanium-Nitrogen System at Low Nitrogen Pressures, 111: 65